Telematics for Federal Agency Fleets

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Topics	Speaker	Speaker's email Address
Moderator	Joddy P. Garner, General Services Administration's Office of Government-wide Policy	Joddy.garner@gsa.gov
USDA's Telematics Experiences	Rhea Jack, United States Department of Agriculture	Rhea.jack@dm.usda.gov
DHS' Telematics Experiences	Bradford A. Carpenter, Department of Homeland Security	Bradford.A.Carpenter@ice.dhs.gov
Navy's Telematics Experience	Matthew J. Harbeson, Navy	Matthew.harbeson@navy.mil

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DEPARTMENT OF AGRICULTURE

RHEA JACK

TELEMATICS WORKSHOP

Telematics for Federal Agency Fleets

Bradford A. Carpenter

Chief of Asset Management

U.S. Immigration and Customs Enforcement

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From Worst to First
Savings by reducing speeding

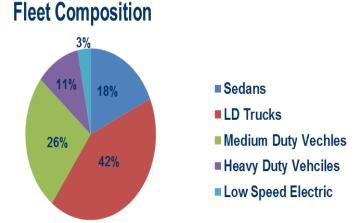|	Mar-13 (Fuel ($4.01 per gal)	Mar-14 (Fuel $4.33 per gal)
Fuel	$96,140	$87,210
Maintenance	$46,259	$39,870
Towing	$130	$446
Car Wash	$671	$131
	$143,200	$127,657
Vehicles onboard	290	276
Average Operating Cost per Vehicle	$493.79	$462.52
Fuel cost increase		8%
Average Savings per vehicle		$31.27
Monthly Savings Potential		$8,630
Annual Savings Potential		$103,562

Department of Navy (DON) Telematics Overview

Matthew Harbeson

Transportation Analyst

Telematics

- **Navy has 38,000 non-tactical vehicles**

Fleet Composition

Legend:
- Sedans
- LD Trucks
- Medium Duty Vechles
- Heavy Duty Vehciles
- Low Speed Electric

Pie chart values: 3%, 18%, 11%, 26%, 42%

- **Navy uses telematics to:**

  - Track mileage, fuel use, vehicle use

  - Improve fuel efficiency (reduce idling, fast starts, hard stops)

  - Maintenance monitoring

  - Change driver behavior

  -Optimize fleet size (utilizing the right vehicle for mission)

Navy Telematics Systems

- **Navy uses 2 telematics systems:**
  - Verizon
  - Fleet Management Solutions (FMS)

- **Navy Recruiting uses Verizon telematics (1,800 installed)**
  - Acquired using stand alone contract - May 2016

- **Naval Installation Command (CNIC) uses FMS (2,400 installed)**
  - Awarded contract in Sep 2015; signed MOU with GSA for installation
  - Contract required DODI 8510.10 RMF approval for IT security
  - FMS in process of completing DODI requirement; telematics are inactive

- **Pilot with Naval Expeditionary Combat Command vehicles - MAR 2017**

Issues / Lessons Learned

- **Develop telematics acquisition strategy across fleet**. Many different providers – possible to have multiple devices and reports across fleet. Navy now has 2 different telematics providers and databases. GSA? Sole-source? How do you aggregate the data into FMIS or agency databases?

- **Installation coordination -** Who will coordinate installation and what is the process? Where does the telematic device plug-in? OBD II or fuse box? Does GSA approve of the installation? Does it need to be tamperproof?

- **Identify what metrics you want from the telematics data and who will analyze?** Recommend looking at what data will best serve the agency specific goals. Aggregating and analyzing– who will do this? Consider process and policy for telematics data being integrated into reporting systems.

- **Notify any agency affiliated Unions in advance of telematics strategy.** Concerned about monitoring and disciplinary uses. Reinforce positive outcomes of telematics and primary purpose is for fleet efficiency, reducing lifecycle costs, and safety.

Questions?

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